

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 6,912,818 B2
APPLICATION NO. : 10/092774
DATED : July 5, 2005
INVENTOR(S) : Sprague et al.

Page 1 of 10

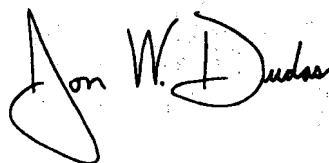
It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

THE TILTE PAGE, SHOWING AN ILLUSTRATIVE FIGURE, SHOULD BE
DELETED AND SUBSTITUTE THEREFOR THE ATTACHED TITLE PAGE.

DELTE DRAWING SHEETS 1-8, AND SUBSTITUTE THEREFOR THE
DRWAING SHEETS CONSISTIN OF FIGS 1-14 AS SHOWN ON THE
ATTACHED PAGES.

Signed and Sealed this

Third Day of April, 2007

A handwritten signature in black ink, reading "Jon W. Dudas". The signature is stylized, with a large, looped "J" and "D".

JON W. DUDAS
Director of the United States Patent and Trademark Office

(12) **United States Patent**
Sprague

(10) Patent No.: **US 6,912,818 B2**
(45) Date of Patent: **Jul. 5, 2005**

(54) **DOOR RAIL SYSTEM**

(75) Inventor: **Gary Sprague, Hermosa Beach, CA (US)**

(73) Assignee: **C.R. Laurence Company, Inc., Los Angeles, CA (US)**

(*) Notice: **Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 154 days.**

(21) Appl. No.: **10/092,774**

(22) Filed: **Mar. 5, 2002**

(65) **Prior Publication Data**

US 2002/0100234 A1 Aug. 1, 2002

Related U.S. Application Data

(62) Division of application No. 09/631,148, filed on Aug. 2, 2000, now Pat. No. 6,434,905.

(51) Int. Cl.⁷ **B61D 17/12**

(52) U.S. Cl. **52/208; 52/204.56; 52/204.64; 52/204.65; 52/204.67; 52/766; 52/767**

(58) Field of Search **52/208, 204.56, 52/204.64, 204.65, 204.67, 766, 767**

(56) **References Cited**

U.S. PATENT DOCUMENTS

981,972 A	1/1911	Bonness
984,384 A	2/1911	McElaney et al.
1,083,865 A	1/1914	Sloss
1,507,769 A	9/1924	Disbro
3,789,564 A	2/1974	Kessler
3,802,143 A	4/1974	Adler et al.
4,235,049 A	11/1980	Marinoni et al.
4,418,506 A	12/1983	Weber et al.

4,423,582 A	*	1/1984	Yates	52/825
4,550,542 A		11/1985	La See	
4,655,025 A		4/1987	Marinoni	
4,671,016 A	*	6/1987	Boedtker	49/501
4,680,903 A	*	7/1987	Horgan, Jr.	52/127.8
4,835,927 A		6/1989	Michlovic	
4,920,717 A		5/1990	Hooper, Jr.	
5,069,010 A		12/1991	Trainor, Jr. et al.	
5,356,675 A		10/1994	Unger et al.	
5,444,958 A	*	8/1995	Lu	52/775
5,483,775 A		1/1996	Redman	
5,666,692 A		9/1997	Teleco	
5,694,722 A	*	12/1997	Hustling et al.	52/35
5,857,298 A		1/1999	Fellwood	
6,014,846 A		1/2000	Sono et al.	
6,434,905 B1	*	8/2002	Sprague	52/474

FOREIGN PATENT DOCUMENTS

IT 300053 8/1932

OTHER PUBLICATIONS

Information Sheet on GCC Door Rail Systems, 2 pages.

* cited by examiner

Primary Examiner—Carl D. Friedman

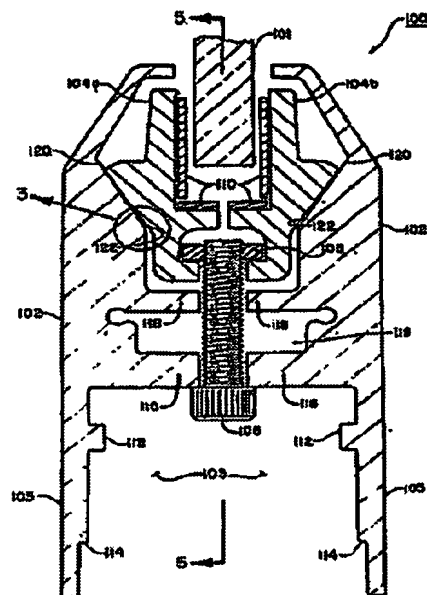
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(57) **ABSTRACT**

A rail system for holding a panel, such as a plate glass pane, in a door and/or wall partition. The rail system includes a housing and a clamp member having a wedging geometry so that when the clamp member is actuated with respect to the housing in a first direction, at least a portion of the clamp member will move in a clamping direction, which is different than the first direction to clamp the panel.

15 Claims, 8 Drawing Sheets



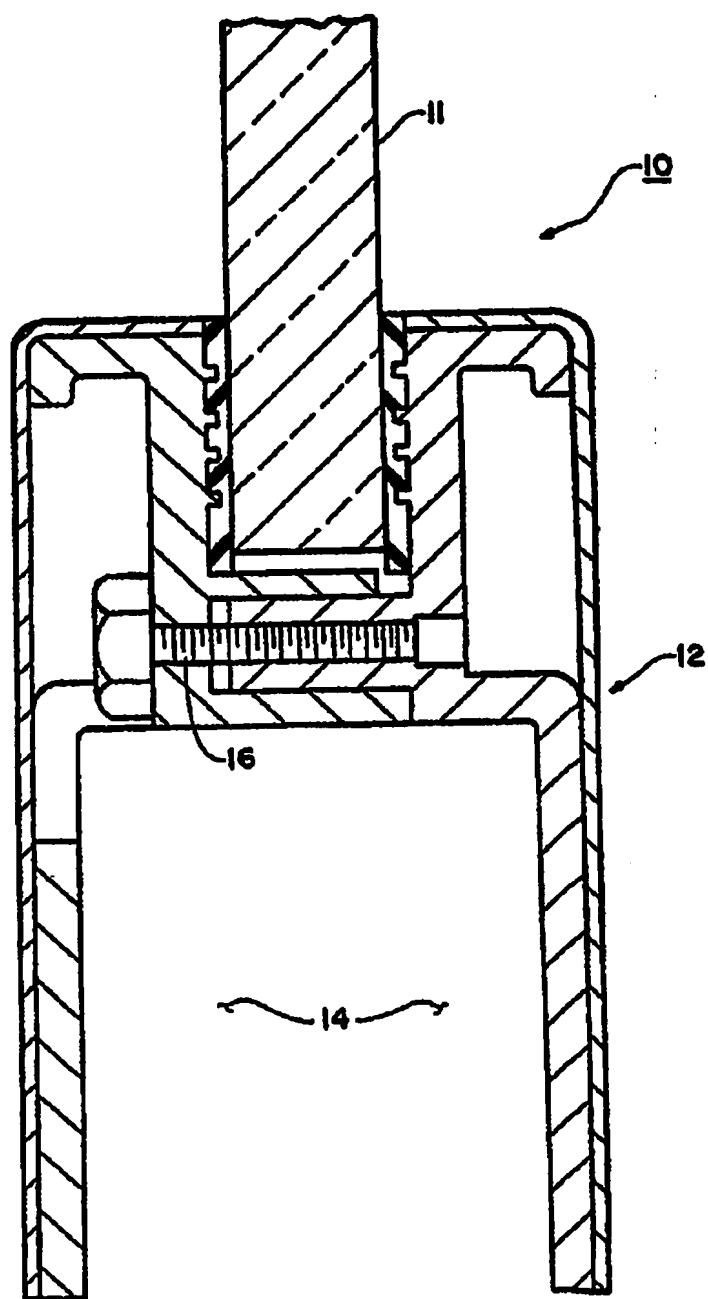


FIG. 1
(PRIOR ART)

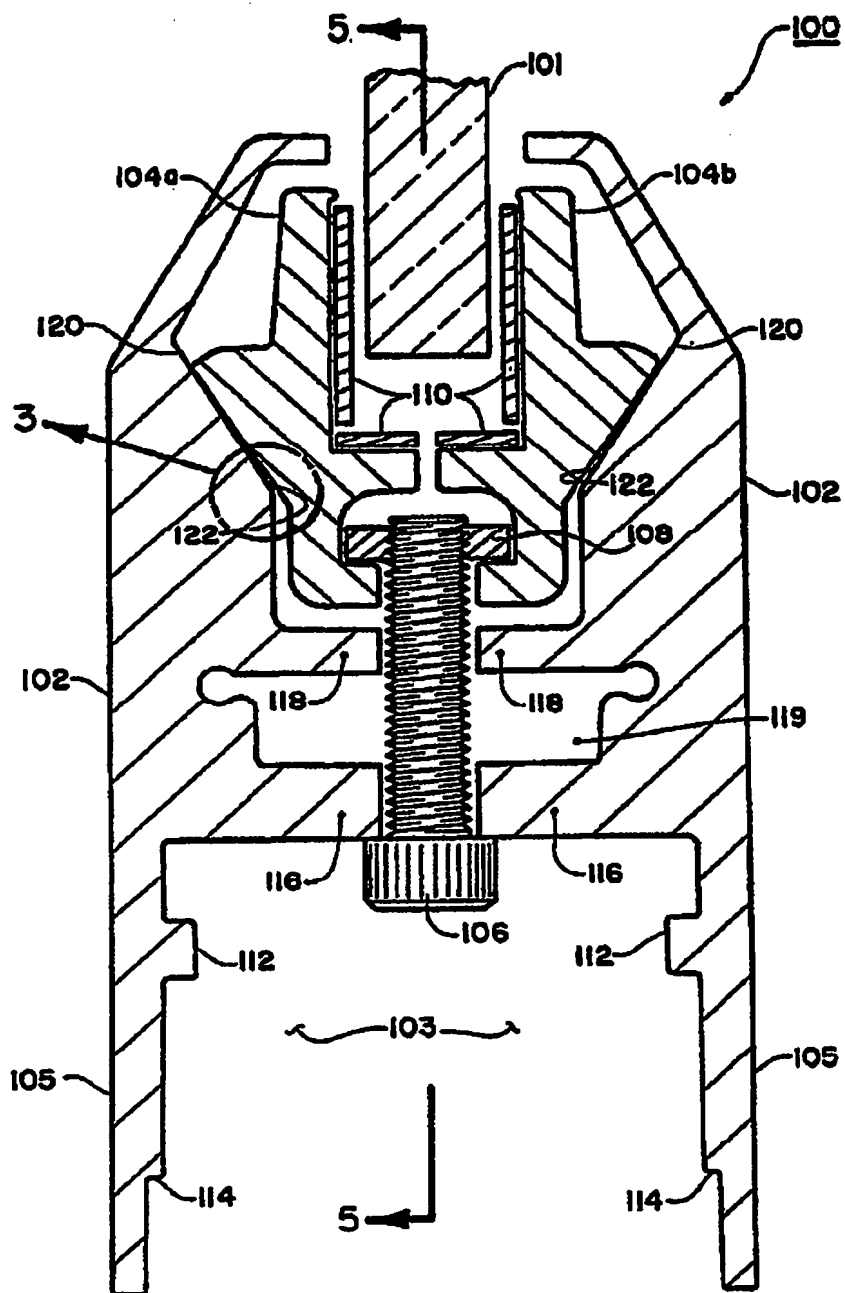


FIG. 2

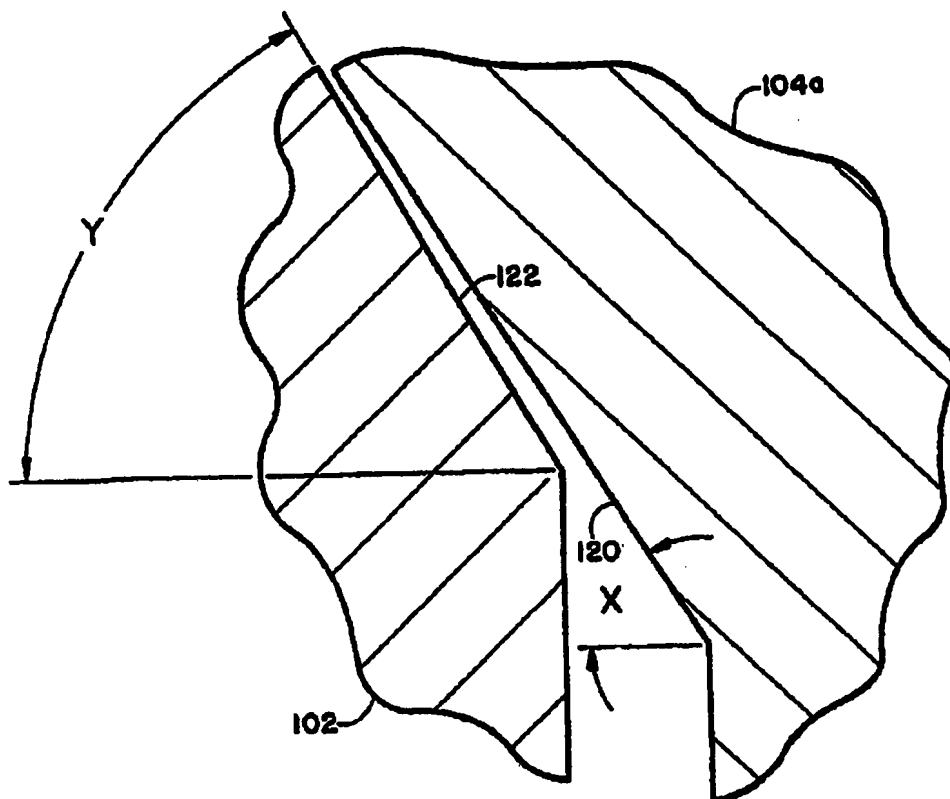


FIG. 3

FIG. 4

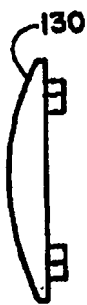


FIG. 7

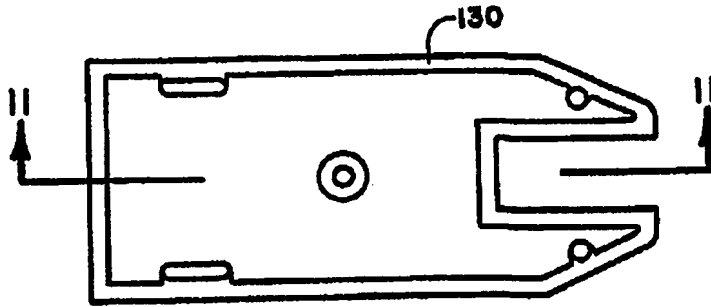


FIG. 8



FIG. 9

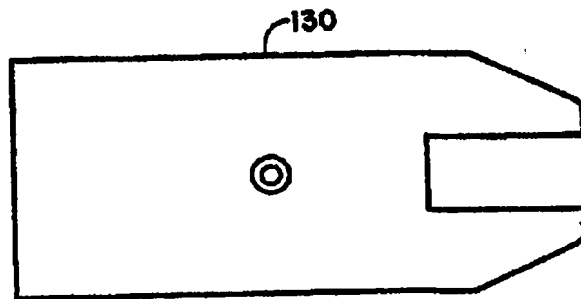


FIG. 10



FIG. 11

U.S. Patent

Jul. 5, 2005

Sheet 6 of 8

6,912,818 B2

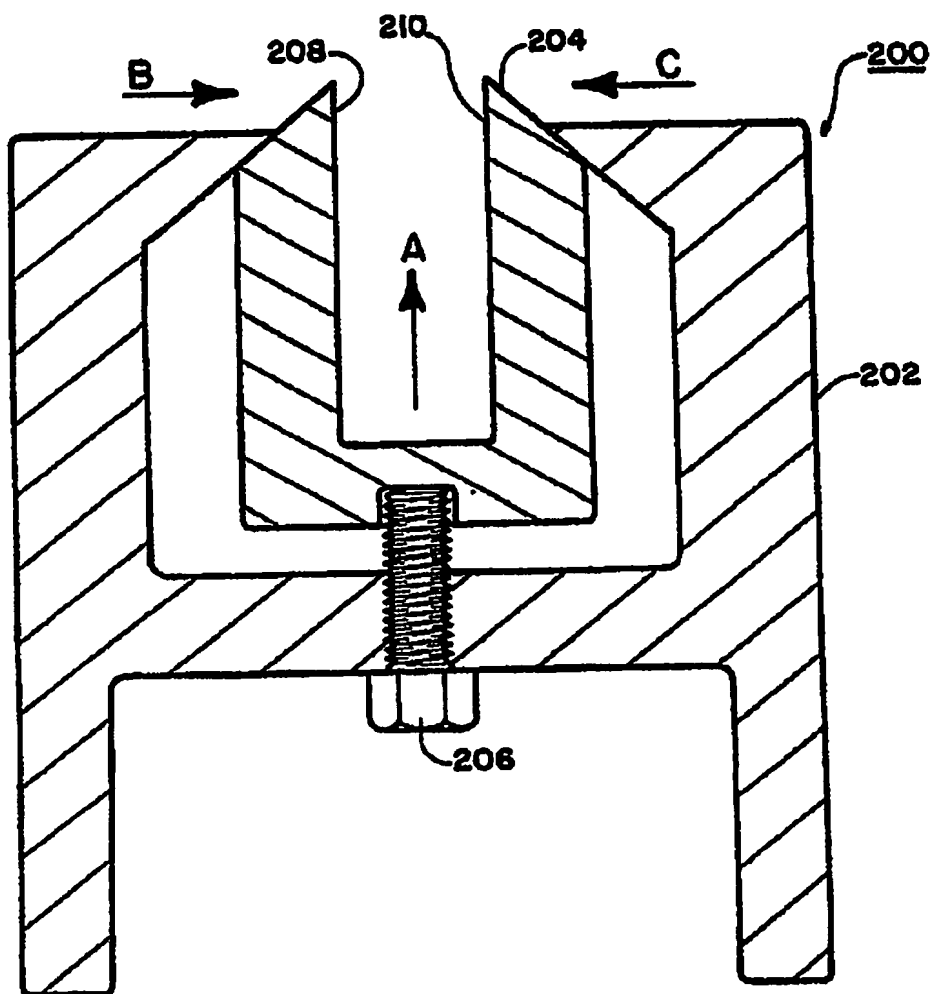


FIG. 12

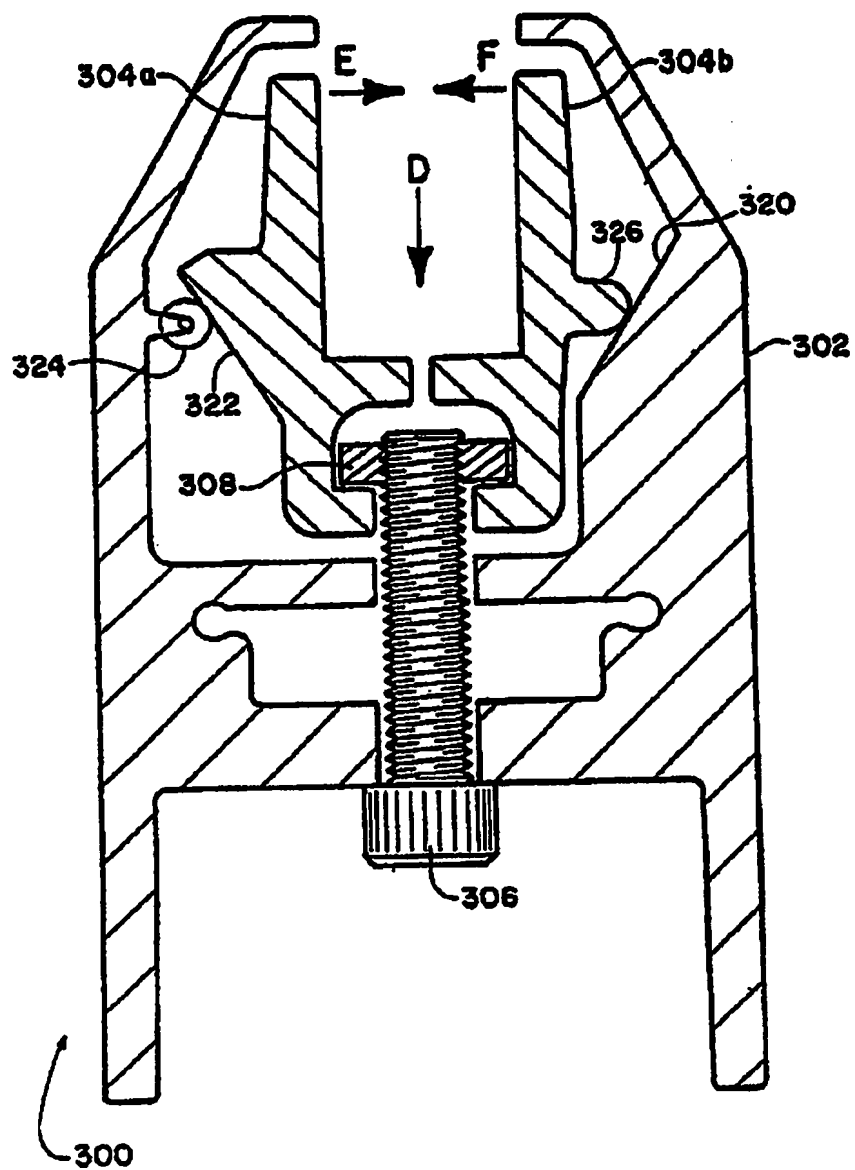


FIG. 13

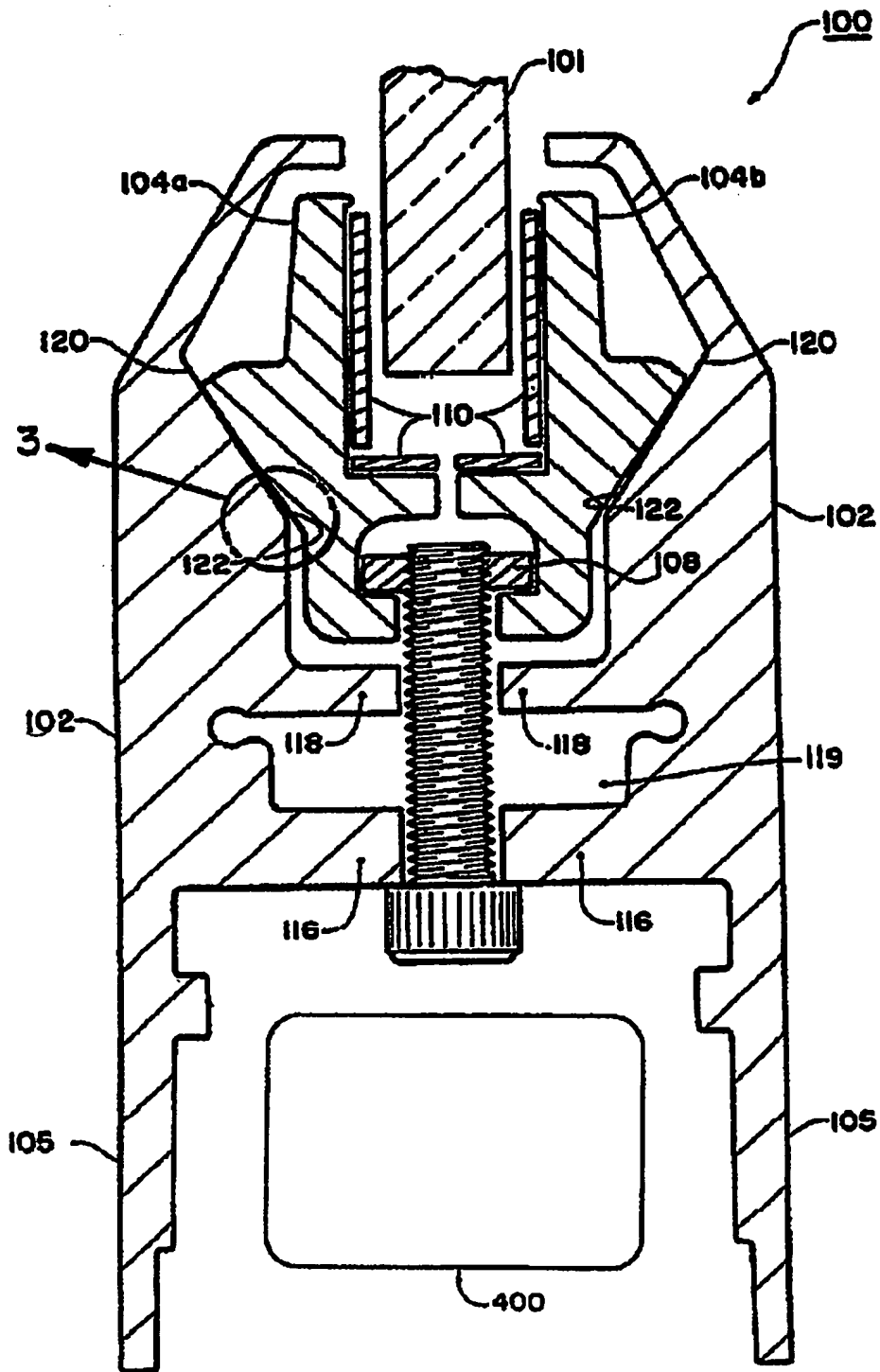


FIG. 14